

LISTING OF CLAIMS

1. (currently amended) A temperature control device for preventing liquid in a pipe from freezing comprising:

a control valve having a housing in fluid communication with the liquid in the pipe, a valve seat, a ball valve and a bimetallic disk, an inlet and an outlet;

wherein said bimetallic disk has a first deactivated position wherein said bimetallic valve presses said ball valve against said valve seat to prevent flow through said control valve body, and a second activated position wherein said bimetallic releases said ball valve from said valve seat to allow flow through said control valve body;

wherein when the temperature of liquid in said housing is above a first predetermined temperature the bimetallic disk moves to said first position and when the temperature is below a second predetermined temperature the bimetallic disk moves to said second position to allow liquid in said pipe to flow through said control valve, and

a perforated spring seat is positioned within said control valve to permit the flow of liquid through said control valve.

2. (previously presented) The temperature control device as set forth in Claim 1 wherein:

- a. a passage is located in said control valve to permit the flow of liquid around said bimetallic disk.

3. (canceled)

4. (previously presented) The temperature control device as set forth in

Claim 1 wherein:

- a. said control valve is connected to a drain pipe for facilitating the flow of liquid to a drain.

5. (previously presented) The temperature control device as set forth in

Claim 1 wherein:

- a. said control valve is connected to a manifold; and,
- b. said manifold receives flow of liquid from a plurality of sources.

6. (previously presented) The temperature control device as set forth in

Claim 5 wherein:

- a. said plurality of sources includes a cold water supply and a hot water supply.

7. (previously presented) The temperature control device as set forth in

Claim 8, further comprising:

- a. a sleeve for connecting said manifold to a cold water supply and said hot water supply.

8. (previously presented) The temperature control device as set forth in Claim 1 wherein:

- a. said bimetallic disk operates to form a first activated position at a temperature of about 42 degrees Fahrenheit.

9. (previously presented) The temperature control device as set forth in Claim 1 wherein:

- a. said bimetallic disk operates to return to a deactivated position at about 48 degrees Fahrenheit.

10. (previously presented) A temperature control device for preventing fluid in a pipe from freezing comprising:

- a) a control valve having a housing;
- b) said housing having a coupler for attaching said housing to a fluid supply pipe;
- c) said housing further including a chamber having a fluid inlet opening and a fluid outlet opening;
- d) a valve mechanism located within said chamber for controlling the flow of fluid from said fluid inlet opening through said chamber to exit through said fluid outlet opening;

- e) said valve mechanism having a temperature sensitive bimetallic disk having an outer edge and a central portion;
- f) said bimetallic disk having a first configuration in which said central portion of said disk and said edge form a flat surface and upon a change in temperature said bimetallic disk has a second configuration in which said central portion is displaced from said edge to form a curved surface;
- g) an inlet closure device located in said chamber adjacent said bimetallic disk and being operable in conjunction with said bimetallic disk to open and close said inlet in response to a change in temperature of fluid in said fluid supply pipe, and
a perforated spring seat is positioned within said chamber to permit the flow of fluid from said chamber to said fluid outlet.

11. (previously presented) The temperature control device as set forth in Claim 10 wherein;

- a. said inlet closure device is a ball valve which moves in response to changes in configuration of said bimetallic disk.

12. (previously presented) The temperature control device as set forth in Claim 10 wherein:

- a. a passage is located in said chamber adjacent said fluid outlet to permit the flow of fluid around said bimetallic disk.

13. (canceled)

14. (previously presented) The temperature control device as set forth in

Claim 10 wherein:

a. said coupler is a threaded collar.

15. (previously presented) The temperature control device as set forth in

Claim 10 wherein:

a. said fluid outlet is connected to a drain pipe for facilitating the flow of fluid to a drain.

16. (previously presented) The temperature control device as set forth in

Claim 10 wherein:

a. said fluid inlet is connected to a manifold; and,
b. said manifold receives flow of fluid from a plurality of sources.

17. (previously presented) The temperature control device as set forth in

Claim 16 wherein:

a. said plurality of sources includes a cold water supply and a hot water supply.

18. (previously presented) The temperature control device as set forth in Claim 17, further comprising:

- a. a sleeve for connecting said manifold to a cold water supply and said hot water supply.

19. (previously presented) The temperature control device as set forth in Claim 10 wherein:

- a. said bimetallic disk operates to form a curved surface at a temperature of about 42 degrees Fahrenheit.

20. (previously presented) The temperature control device as set forth in Claim 10 wherein:

- a. said bimetallic disk operates to return to a flat surface at about 48 degrees Fahrenheit.